

CONTENTS OF VOLUME 35

Vol. 35 No. 1 January 1997

C.U. HAMMER, H.B. CLAUSEN and C.C. LANGWAY Jr. / 50,000 Years of Recorded Global Volcanism	1-15
A. EATHERALL / Modelling Climate Change Impacts on Ecosystems Using Linked Models and a GIS	17-34
JANET BROTTON and GEOFFREY WALL / Climate Change and the Bathurst Caribou Herd in the Northwest Territories, Canada	35-52
KAVITA KACHOLIA and RUTH A. RECK / Comparison of Global Climate Change Simulations for $2 \times \text{CO}_2$ -induced Warming. <i>An Intercomparison of 108 Temperature Change Projections Published between 1980 and 1995</i>	53-69
AGUSTIN SÁNCHEZ-ARCILLA and JOSÉ A. JIMÉNEZ / Physical Impacts of Climatic Change on Deltaic Coastal Systems (I): An Approach	71-93
JOSÉ A. JIMÉNEZ and AGUSTIN SÁNCHEZ-ARCILLA / Physical Impacts of Climatic Change on Deltaic Coastal Systems (II): Driving Terms	95-118
Commentaries	
THOMAS J. CROWLEY / The Problem of Paleo-Analogs	119-121
HAROON S. KHESHGI, MICHAEL E. SCHLESINGER and ANDREI G. LAPENIS / Comparison of Paleotemperature Reconstructions as Evidence for the Paleo-Analog Hypothesis	123-131
MARINA V. SHABALOVA / Universal Pattern of Changes - On What Spatial Scale? <i>Comment on H.S. Kheshgi, M.E. Schlesinger and A.G. Lapenis</i>	133-135

Vol. 35 No. 2 February 1997

HADI DOWLATABADI / Assessing the Health Impacts of Climate Change. <i>An Editorial Essay</i>	137-144
WILLEM J.M. MARTENS, THEO H. JETTEN and DANA A. FOCKS / Sensitivity of Malaria, Schistosomiasis and Dengue to Global Warming	145-156
KATHLEEN A. MILLER, STEVEN L. RHODES and LAWRENCE J. MAC-DONNELL / Water Allocation in a Changing Climate: Institutions and Adaptation	157-177
BRENT L. SOHNGEN and RICHARD W. HAYNES / The Potential for Increasing Carbon Storage in United States Unreserved Timberlands by Reducing Forest Fire Frequency: An Economic and Ecological Analysis	179-197
ANTHONY W. KING, WILFRED M. POST and STAND. WULLSCHLEGER / The Potential Response of Terrestrial Carbon Storage to Changes in Climate and Atmospheric CO_2	199-227

MARCO GASPERINI and FRANCESCO CHIERICI / Short-Term Periodic Climatic Change: A Combined Effect between the Sunspot Cycle and the Lunar Nutation	229-240
OLEG A. ANISIMOV and FREDERICK E. NELSON / Permafrost Zonation and Climate Change in the Northern Hemisphere: Results from Transient General Circulation Models	241-258
Book review	
Gerald North, Jurgen Schmandt, and Judith Clarkson (eds.): <i>The Impact of Global Warming on Texas. A Report of the Task Force on Climate Change in Texas</i> (MIGUEL F. ACEVEDO)	259-262

Vol. 35 No. 3 March 1997

Topic Issue (Part I)
CARBON EMISSIONS

PHILIP M. FEARNSIDE / Carbon Emissions and Sequestration by Forests: Case Studies of Developing Countries. <i>Guest Editorial</i>	263
OMAR R. MASERA, MARÍA J. ORDÓÑEZ and RODOLFO DIRZO / Carbon Emissions from Mexican Forests: Current Situation and Long-Term Scenarios	265-295
N.H. RAVINDRANATH, B.S. SOMASHEKHAR and MADHAV GADGIL / Carbon Flow in Indian Forests	297-320
PHILIP M. FEARNSIDE / Greenhouse Gases from Deforestation in Brazilian Amazonia: Net Committed Emissions	321-360

Vol. 35 No. 4 April 1997

TIMOTHY BALL / Editorial Review/Essay	361-365
LINDA O. MEARNS, CYNTHIA ROSENZWEIG and RICHARD GOLDBERG / Mean and Variance Change in Climate Scenarios: Methods, Agricultural Applications, and Measures of Uncertainty	367-396
MIKHAIL A. SEMENOV and ELAINE M. BARROW / Use of a Stochastic Weather Generator in the Development of Climate Change Scenarios	397-414
D.B. BOORMAN and C.E.M. SEFTON / Recognising the Uncertainty in the Quantification of the Effects of Climate Change on Hydrological Response	415-434
ROBERT K. KAUFMANN / Assessing the Dice Model: Uncertainty Associated with the Emission and Retention of Greenhouse Gases	435-448
F. STUART CHAPIN, III and ANTHONY M. STARFIELD / Time Lags and Novel Ecosystems in Response to Transient Climatic Change in Arctic Alaska	449-461

KEVIN TIMONEY, GEORGE PETERSON, PAT FARGEY, MURRAY PETERSON, STEVE McCANNY and ROSS WEIN / Spring Ice-Jam Flooding of the Peace-Athabasca Delta: Evidence of a Climatic Oscillation	463-483
JACEK A. MAJOROWICZ and WALTER R. SKINNER / Anomalous Ground Warming Versus Surface Air Warming in the Canadian Prairie Provinces	485-500
METE TAYANÇ and HÜSEYİN TOROS / Urbanization Effects on Regional Climate Change in the Case of Four Large Cities of Turkey	501-524
 Book Reviews	
P.R. Ehrlich and A.H. Ehrlich, <i>Betrayal of Science and Reason: How Anti-Environmental Rhetoric Threatens Our Future</i> (DAVID W. ORR)	525-528
E. Boeker and R. van Grondelle, <i>Environmental Physics</i> (JOHN HARTE)	529-530
S.A. Changnon (ed.): <i>Review of The Great Flood of 1993: Causes, Impacts, and Responses</i> (ROGER A. PIELKE, JR.)	531-535
 Volume Contents	 537-539
 Author Index	 541